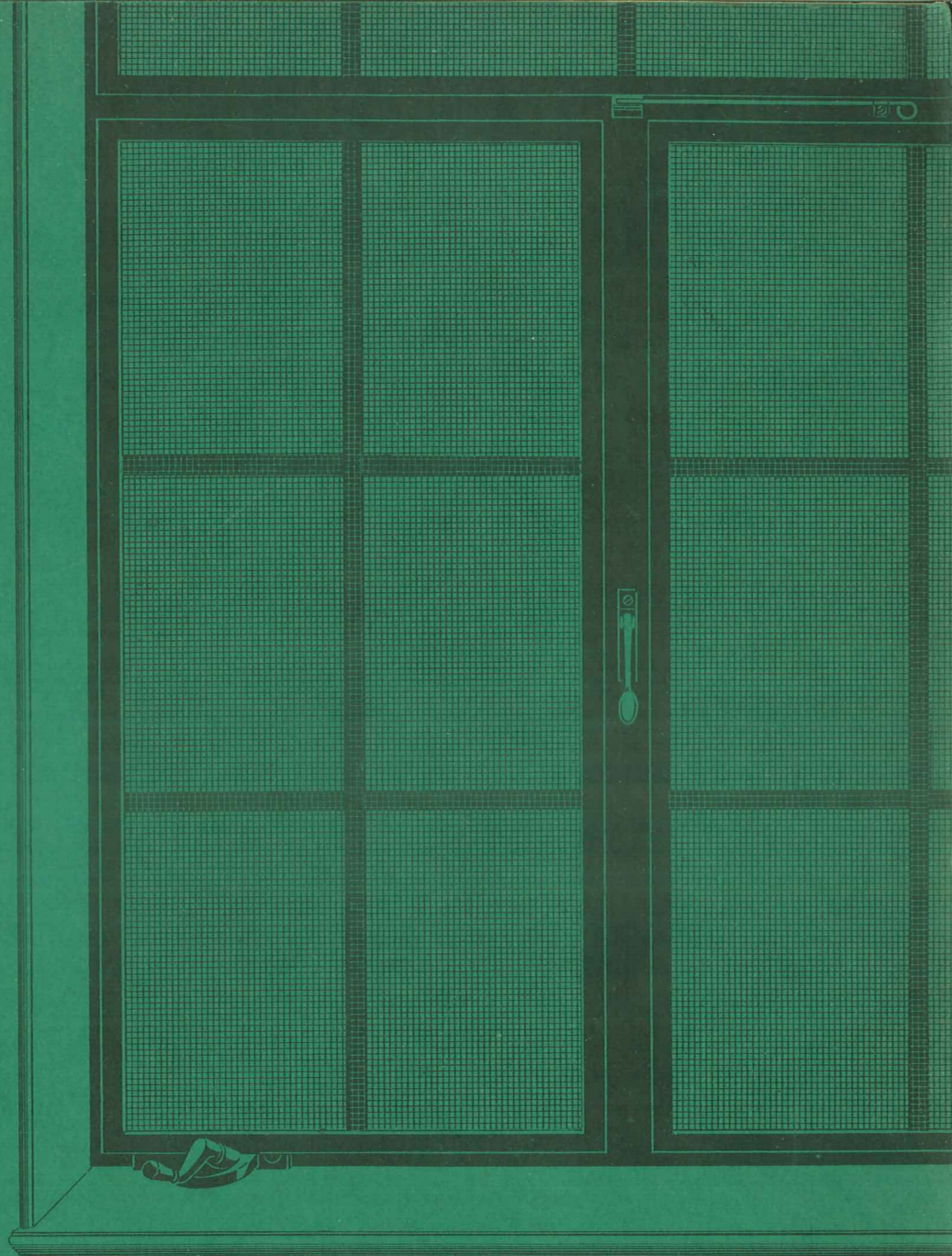


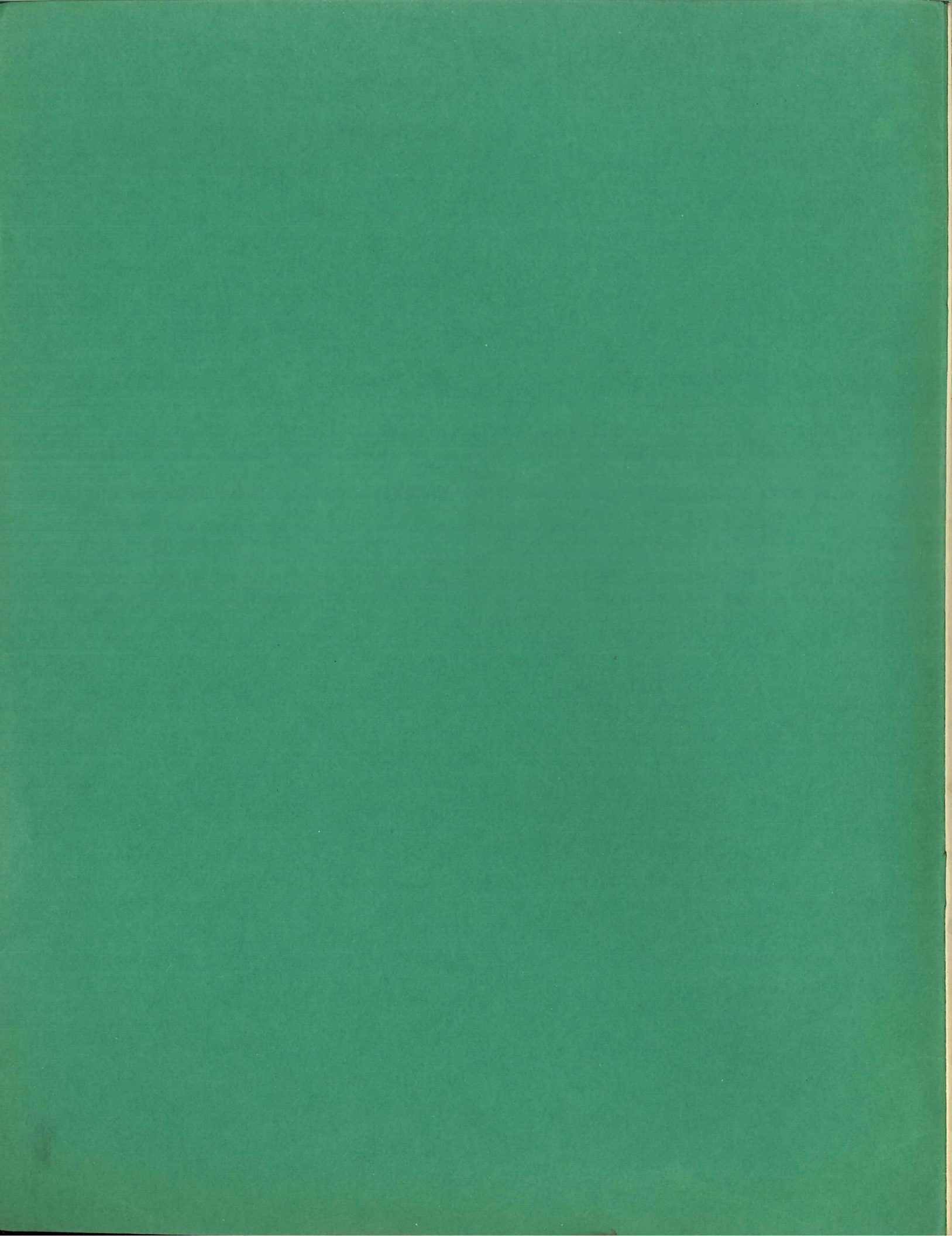
# LUPTON RESIDENCE CASEMENTS



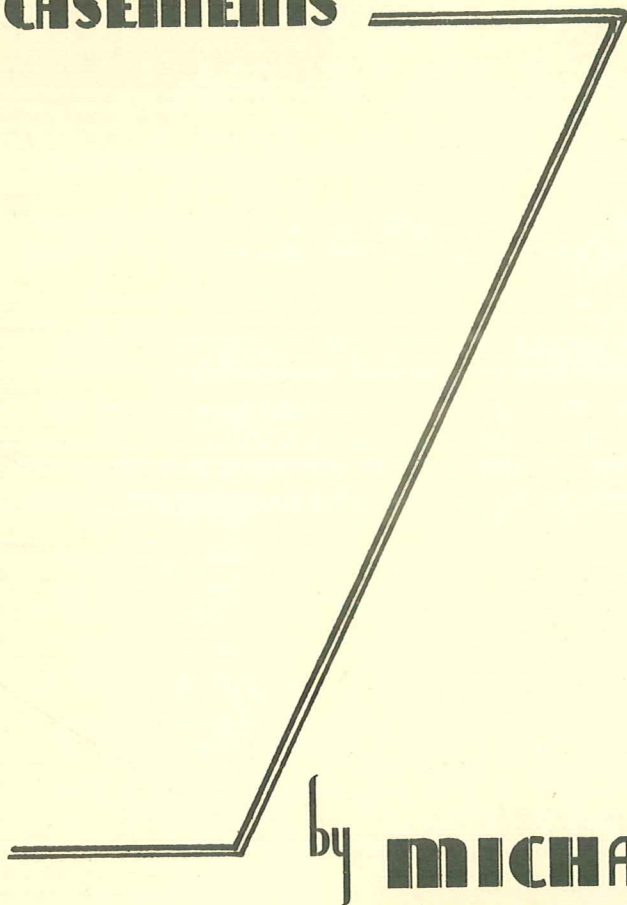
by **MICHAEL FLYNN**  
**MANUFACTURING COMPANY**  
**PHILADELPHIA**







**LUPTON  
RESIDENCE  
CASEMENTS**



by

**MICHAEL FLYNN  
MANUFACTURING COMPANY**

*Successors to* **DAVID LUPTON'S SONS CO.**  
ALLEGHENY AVENUE at TULIP STREET  
PHILADELPHIA, PA. 

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Catalog No. C-217  
4th Ed. Aug. 1935  
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Printed in U. S. A.





**M**ICHAEL FLYNN MANUFACTURING COMPANY, Successors to David Lupton's Sons Company, in continuing this long established window line, are guided by the conviction that a quality product will find ready acceptance by those whom it is designed to benefit. The design and production of steel windows is not a static condition, for improvements appear as a result of forward-looking vision. We present this improved casement with simplicity the outstanding feature—Hardware redesigned for ease of operation—All Metal Screens readily removed for cleaning of windows. Positive control of ventilation. The modern window for the modern home.

### *Screened Casements*

Effective screening of this modern casement is now a matter of utmost convenience to the house owner through the use of practical screens in combination with a trouble-free window operator permitting the windows to be opened, closed, and locked in any position without disturbing screens or draperies. The all metal screens are rigid, compact, and light and are set directly against the window frame where its slender lines blend with the window in the most unobtrusive manner.

### *Unscreened Casements*

are also available with the Lupton Friction Hinge. Ventilators are opened without Rods or Operators and stay-put in any position. When open, the special hinge design permits cleaning of both sides of the glass from within the room.

### *Lupton Casements*

are made of solid special rolled sections of steel. The consequent reduction in the number of separate pieces creates a corresponding increase in the solidity of the finished window. One piece transom bars, muntin members, meeting stiles, and frame sections with electrically welded mitered joints, combine to make this modern casement rigid and durable.

The slender steel lines, giving more daylight, add charm to any style of architecture. Weather will not warp Lupton casements or make them stick.

---



# SPECIFICATIONS

## WORK INCLUDED

1. Furnish where shown on drawings, Lupton Residence Casements as manufactured by Michael Flynn Manufacturing Company, Philadelphia, Pa.

## MATERIALS

2. Ventilator and frame members, muntins, and mullion and impost bars shall be made of specially rolled steel sections.

## CONSTRUCTION

3. All casements shall be designed for outside putty glazing. Ventilators shall be side hinged or top hinged as indicated on elevations.
4. All casements shall be straight and true with members in alignment and surfaces in a plane.
5. Ventilator and frame members shall be mitered at corners, butt welded and the resulting joint ground flush with members. The frame and ventilator shall form a two-point, flat, continuous, weathering contact.
6. Muntins shall be continuous between frame or ventilator members. They shall be tenoned and riveted to frame or ventilator members and shall have interlocking joints at intersections. They shall be flush with frame or ventilator members on the inside.
7. Provide Horizontal and Vertical Mullions and bolts for attaching where two or more units are required in an opening.
8. Weather bars shall be furnished for ventilators that extend to the head and shall be rolled as an integral part of the frame member at the head.  
*Note—(a) Continuous anchors of 13 gauge steel are furnished if definitely specified, and mentioned in contract for windows.*  
*(b) Anchor clips of 14 gauge steel for head, jams and sill are furnished if specified.*

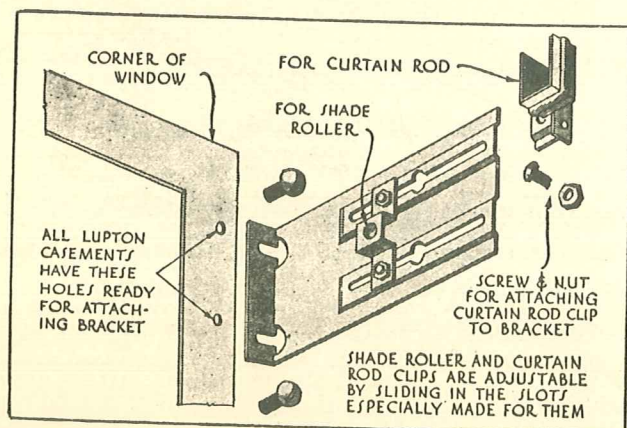
## HARDWARE

*Note—Hardware is available in standard painted finish or in bronze with standard coin bronze and various special finishes. Specify the finish desired.*

9. The following hardware (except hinges) shall be shipped unattached carefully packed to prevent damage. Hinges shall be attached and painted with the windows in the factory. For non-screened casements specify:

Side hinged casements shall be equipped with locking latches (with lift action), pull handle and extended friction hinges. Top hinged Transoms shall have locking latch for pole or hand operation and close-up friction hinges.

*For Screened Casements see under "Screens."*



*All casements are drilled for attaching shade and drapery brackets as shown in detail at left. Brackets for simple or elaborate arrangements of draperies can be furnished if specified.*

## SHADE AND DRAPERY BRACKETS

10. All casements shall have holes provided for attaching drapery and shade brackets as indicated on window manufacturer's details.

*Note—Shade brackets are furnished if clearly specified and mentioned in contract for casements.*

## CALKING CEMENT

11. The window manufacturer shall furnish non-staining elastic calking cement in quantities sufficient for application as shown on window manufacturer's standard details.

## ERECTION

12. All casements shall be erected by (state by whom). They shall be set plumb and true, properly aligned and securely anchored before glazing. Mullions and imposts (and continuous anchors if specified) shall be bolted securely to frames. Calking cement shall be neatly applied at points indicated on window manufacturer's standard details. Attach hardware.

*Note—Unless definitely stated otherwise in order or in specification, hardware will be attached by erector when casement is erected.*

*Note—Include in the masonry specifications that all masonry openings shall be accurately constructed in accordance with the installation details for Casements. All grouting, pointing, etc., should be done by the mason contractor after the windows are set.*

## PAINTING

13. All casements shall receive one shop coat of casement manufacturer's standard dark gray paint, oven dried.

## GLASS AND GLAZING

*Specify glass and glazing under proper heading elsewhere in specifications.*

- (a) Do not specify single thickness glass.
- (b) Specify high grade steel window putty (ordinary wood sash putty must not be used).
- (c) Specify that Lupton Residence Casement Windows shall be glazed from the outside. The glass set in a bed of putty and held by Lupton Standard Wire Glazing Clips.

## SCREENS

*(Furnished if specified and mentioned in contract for windows.)*

14. All Lupton Residence Casements shall be equipped with screens, designed to fit tightly against casement frame and prevent entrance of insects.

15. Screen frame shall be  $\frac{1}{16}$  x  $1\frac{1}{8}$  inch steel frame, solidly welded at corners to form a smooth seamless frame. Frames shall be rewirable.

16. Wire shall be 16 mesh, bronze wire cloth.

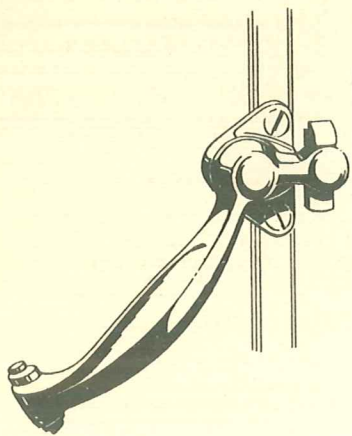
*Note—When screens are specified the following hardware should be specified instead of that given above for non-screened casements.*

## HARDWARE FOR SCREENED CASEMENTS

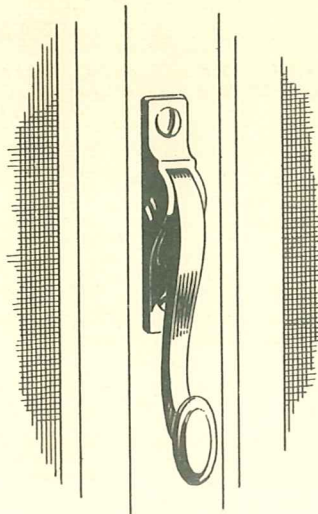
17. Side hinged casements shall have extended non-friction hinges and internal gear operator.

18. Top hinged transoms shall have close-up friction hinges and special underscreen operators and locking device for pole or hand operation.

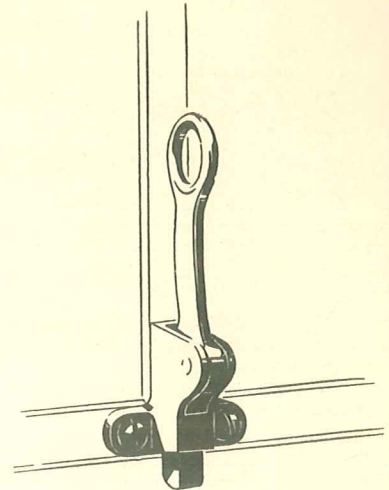




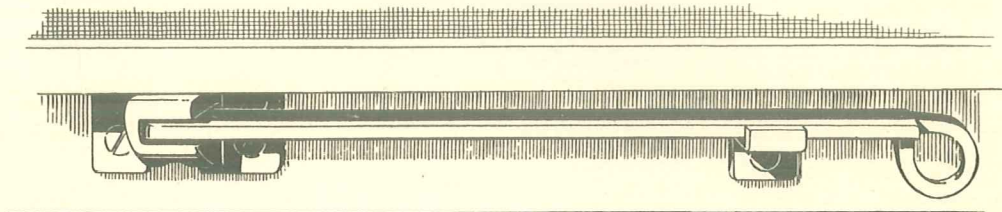
HANDLE *for*  
UNSCREENED-CASEMENTS  
Nº 352-SHOWN  
Nº 351-OPPOSITE



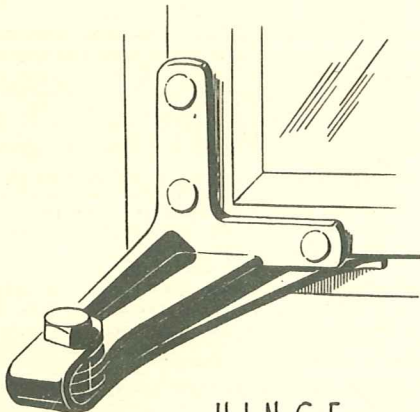
HANDLE *for*  
SCREENED-CASEMENTS  
Nº 3332 *for* DOUBLE-CASEMENTS  
Nº 3330 - RIGHT-HAND  
Nº 3331 - LEFT-HAND



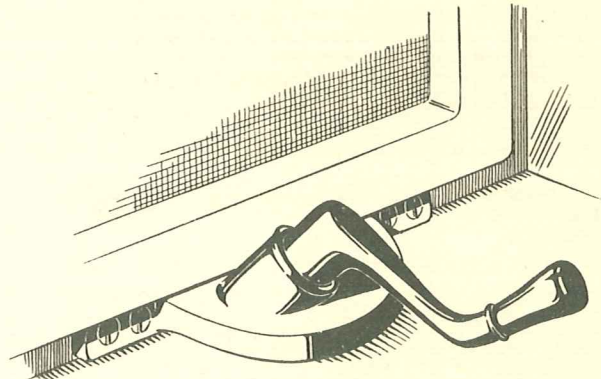
TRANSOM-LATCH  
UNSCREENED-CASEMENTS  
Nº 354



TRANSOM-OPERATOR  
*for* SCREENED-CASEMENTS  
Nº 644



HINGE  
(EXTENDED-TYPE)  
FRICTION-IS-PROVIDED  
WHEN-HINGE-IS-USED-ON  
UNSCREENED-CASEMENTS



WORM & GEAR-OPERATOR  
*for* SCREENED-CASEMENTS...  
Nº 4703-AS-SHOWN  
Nº 4704-OPPOSITE



# • CASEMENT • SIZES •

	1'-1 1/8"	1'-7 7/8"	3'-1 1/2"	4'-7 5/8"	6'-1 3/4"
1'-1 1/8"	YY 11	WW 21	WYYW 41	WYWWWW 61	YYWWWWWW 81
2'-3 3/8"	CH-1 12	CH-2 22	CH-4 42	CH-6 62	CH-6 82
3'-3 1/2"	BB 13	BB 23	BB 43	BB 63	BB 83
4'-3 7/8"	BB 14	BB 24	BB 44	BB 64	BB 84
5'-4"	BB 15	BB 25	BB 45	BB 65	BB 85
6'-1 1/2"	BB 16	BB 26	BB 46	BB 66	BB 86

SILL • VENTILATORS  
Open in at Top

\* 1'-0 7/8" 21-PI-2A  
\* 1'-0 7/8" 21-PI-2B

41-PI-2A 41-PI-4A  
41-PI-2B 41-PI-4B

\* This is NOT overall  
dim. See Plate N° 204

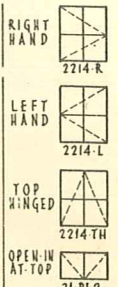
\* 1'-0 7/8" 61-PI-4A  
\* 1'-0 7/8" 61-PI-4B

81-PI-4A 81-PI-4B

GLASS • All rectangular lights not marked are A=8"x12"

B 8 1/2" x 12 1/2"	M 8 1/2" x 10 7/16"	X 8 1/2" x 10 3/16"	LL 8 3/8" x 11"
C 8 1/2" x 12"	N 8 1/2" x 10 15/16"	Y 8 3/4" x 11 1/2"	MM 11 3/8" x 10 7/16"
D 8 3/4" x 12 1/2"	O 8 3/4" x 10 7/16"	Z 9" x 11 3/4"	NN 11 3/8" x 10 15/16"
E 8 3/4" x 12"	P 8 3/4" x 10 15/16"	AA 10 5/16" x 12"	PP 7 7/8" x 9 13/16"
F 9" x 12 1/2"	R 8" x 10 15/16"	BB 11 3/8" x 12 1/2"	RR 7 7/8" x 10"
G 9" x 12"	S 8 13/16" x 10 15/16"	CC 11 3/8" x 12"	SS 7 13/16" x 10"
H 8 1/2" x 12 1/2"	T 8" x 9 15/16"	EE 8 11/16" x 10 3/4"	TT 7 13/16" x 9 13/16"
J 8 1/2" x 12 1/2"	U 8 13/16" x 9 7/8"	GG 8 3/8" x 10 3/4"	XX 11 3/8" x 10 15/16"
K 8 1/2" x 11 3/4"	V 8" x 9 15/16"	HH 11 3/8" x 12 1/2"	YY 11 3/8" x 11 1/2"
L 8 3/4" x 11 3/4"	W 8 1/2" x 11 1/2"	KK 11 3/8" x 11 3/4"	ZZ 9" x 10 15/16"

NOTES: All casements are shown viewed from outside. Right-hand casements are hinged at right side - and Left-hand casements are hinged at left side. Broken lines on elevations indicate swing of casement - thus Single casements are made right or left as desired. Letter "L" indicates left-hand and "R" right-hand. Sizes shown are overall dimensions - Opening dimensions are 1/4" larger. - For openings where more than one unit is to be used allow 1/4" between adjacent units for Mullion or Impost. \* The height given for Sill Ventilator is the dimension to be added to the height of a standard unit to obtain the overall dimension of combined unit -



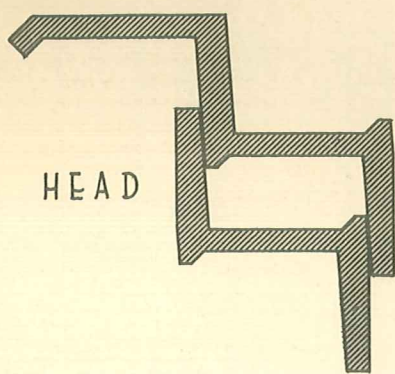
MICHAEL • FLYNN  
MANUFACTURING • CO  
LUPTON  
WINDOW • PRODUCTS

• TYPES • AND • SIZES •

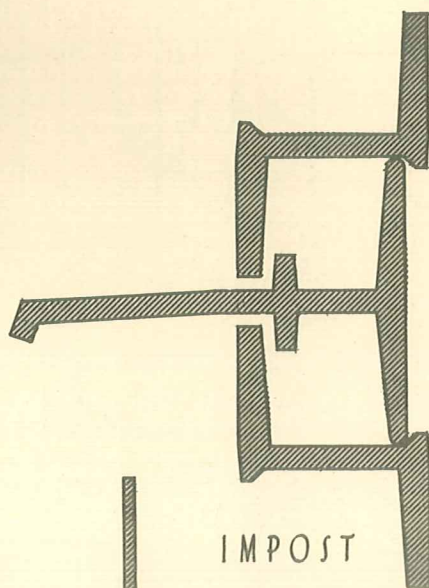
LUPTON • RESIDENCE • CASEMENTS

PLATE • N°  
• 202 •  
AUG. 1935

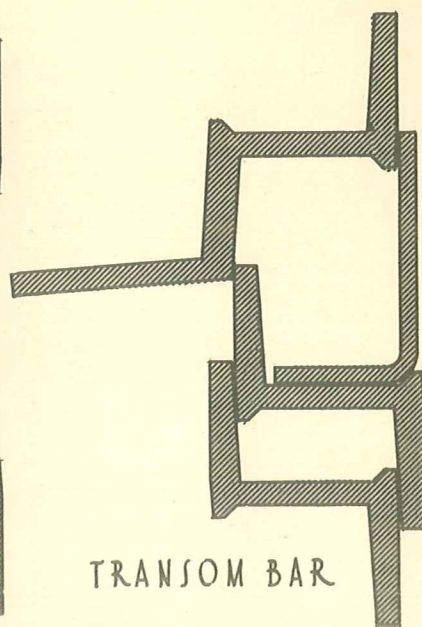




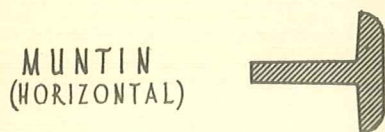
HEAD



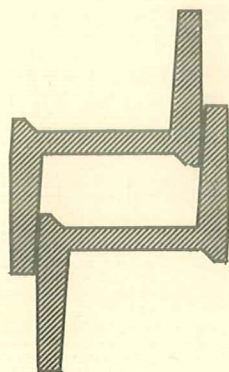
IMPOST



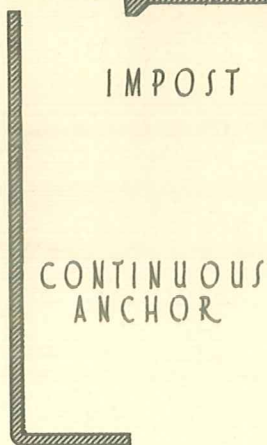
TRANSOM BAR



MUNTIN  
(HORIZONTAL)



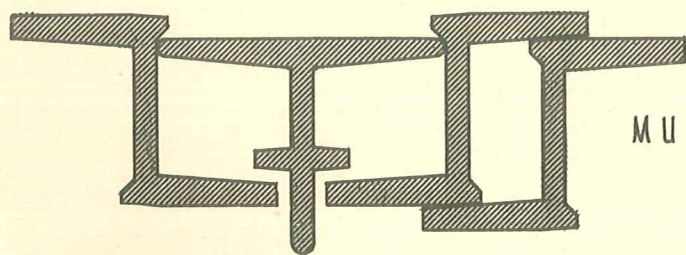
SILL



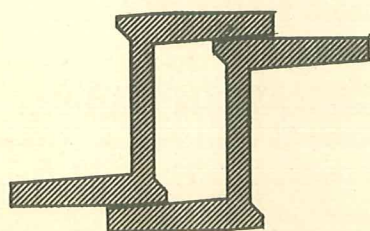
CONTINUOUS  
ANCHOR



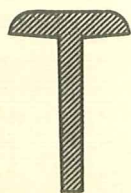
TRANSOM  
BAR



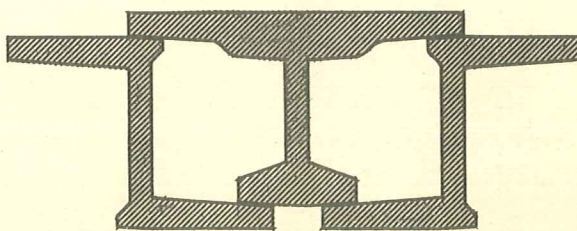
MULLION



JAMB

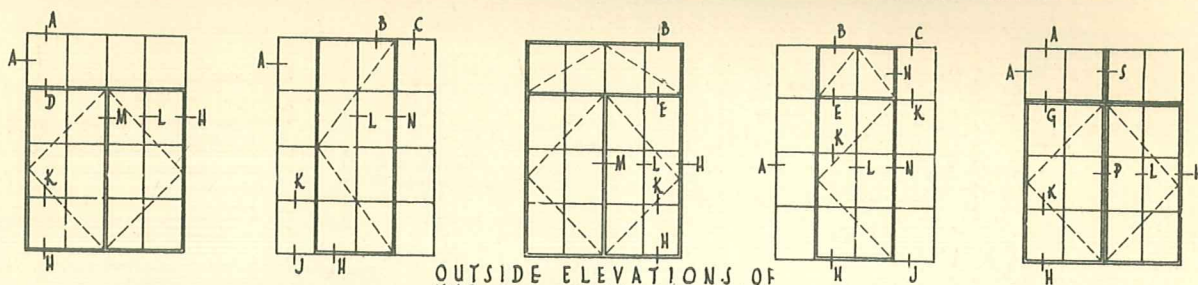


MUNTIN  
(VERTICAL)

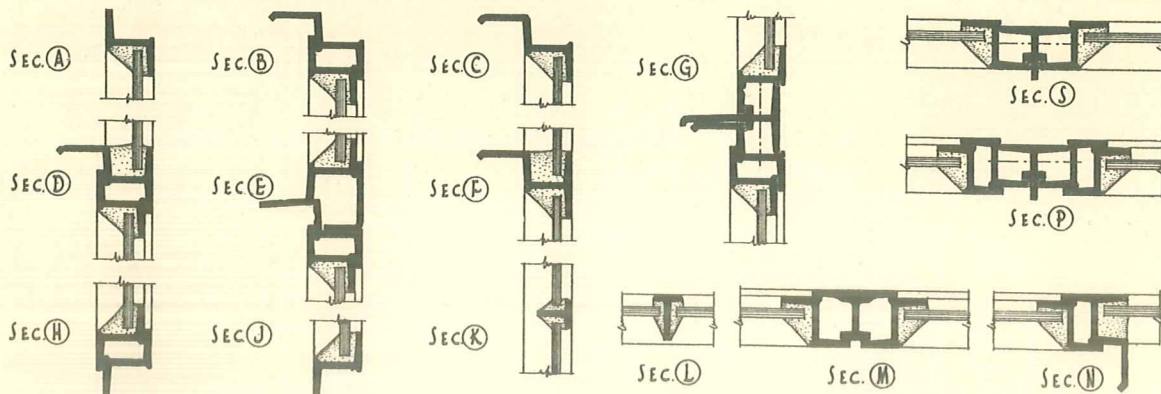


MEETING STILE





OUTSIDE ELEVATIONS OF  
TYPICAL STANDARD UNITS  
DETAILS SHOWN BELOW.

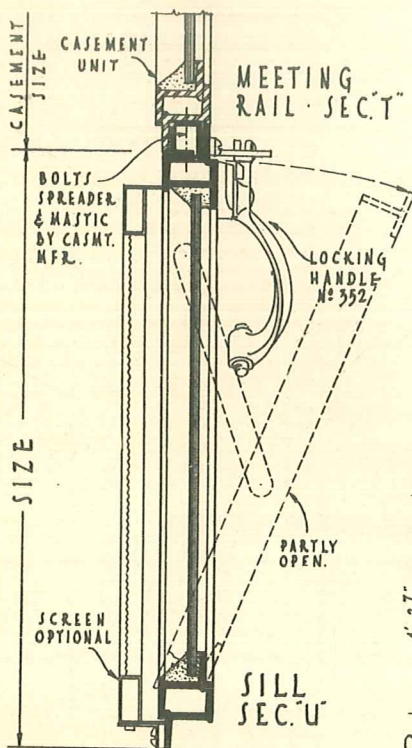


DETAILS OF CASEMENTS  
SCALE 3"=1'-0"

### • SILL VENTILATORS •

Sill Ventilators are designed for use wherever ventilation is required without direct air currents. They can be combined with casements or used singly. Ventilators open in at top to about 4 inches without opening to any noticeable degree at the bottom thus forming effective windshields similar to those usually seen in office buildings.

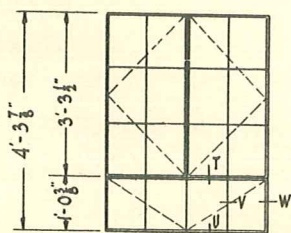
Detail at left shows method of combining ventilator with casement. Sizes are shown below. Letters on diagrams indicate glass sizes. See table on Plate No. 202.



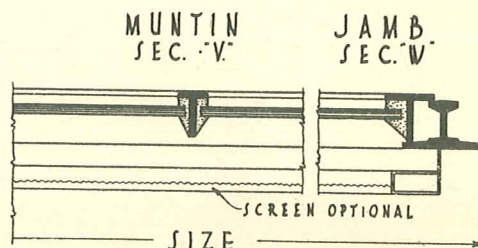
VERTICAL SECTION  
SCALE 3"=1'-0"

1'-0"	1'-7 1/8"	3'-1 1/2"	3'-1 1/2"	4'-7 1/8"	6'-1 1/2"
PR PP	GG TT TT GG	PP U U PP	GG TT U U TT GG	EE GG TT U U TT GG EE	
21-P1-2A	41-P1-2A	41-P1-4A	61-P1-4A	81-P1-4A	
1'-0"					
RR RR	N SS SS N	RR S S RR	LL SS S S LL	P LL SS S S LL P	
21-P1-2B	41-P1-2B	41-P1-4B	61-P1-4B	81-P1-4B	

STANDARD TYPES AND SIZES



OUTSIDE ELEVATION OF  
TYPICAL COMBINED UNIT  
(IN-AT-TOP VENTILATOR MAY BE  
USED UNDER ANY STANDARD  
RESIDENCE CASEMENT UNIT.)



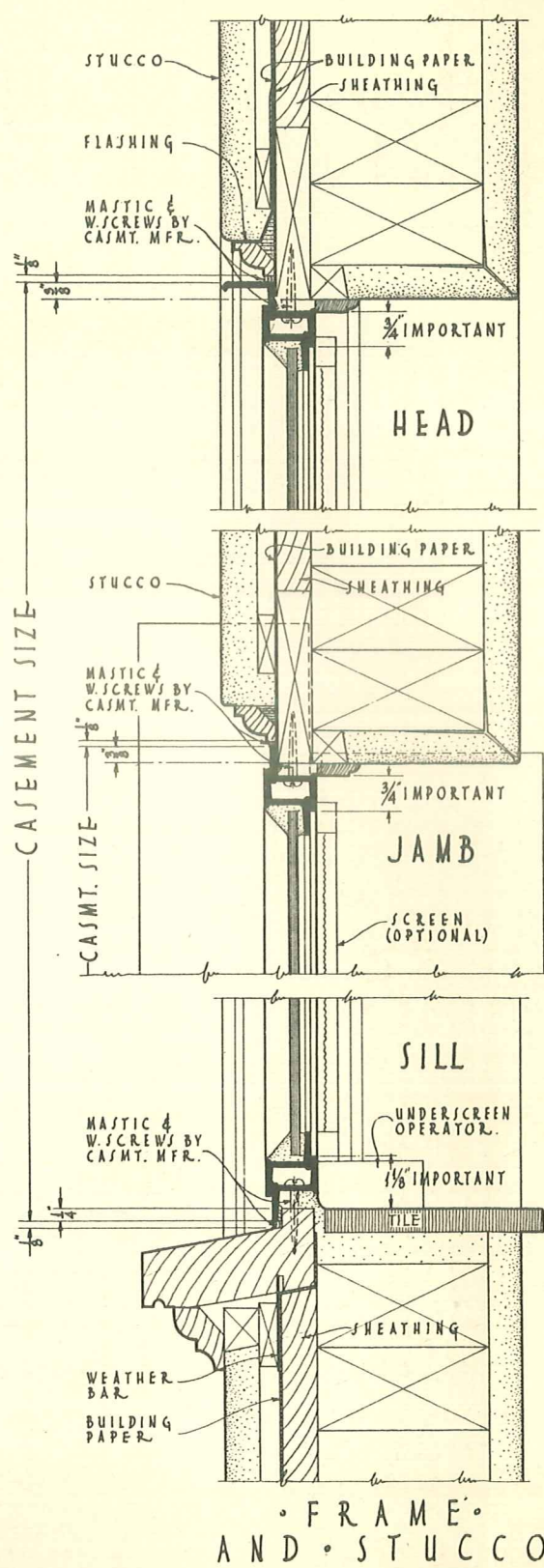
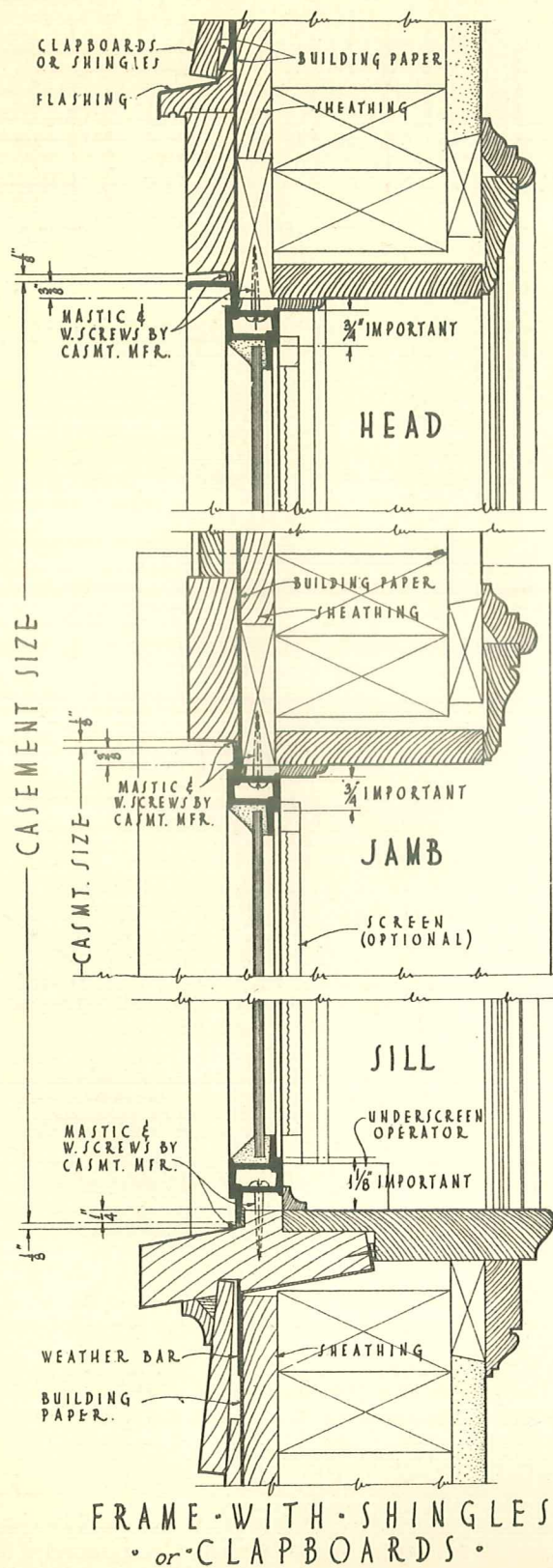
HORIZONTAL SECTION  
SCALE 3"=1'-0"

MICHAEL FLYNN  
MANUFACTURING CO  
LUPTON  
WINDOW PRODUCTS

• GENERAL DETAILS •  
LUPTON • RESIDENCE • CASEMENTS

PLATE • NO  
• 204 •  
AUG • 1935





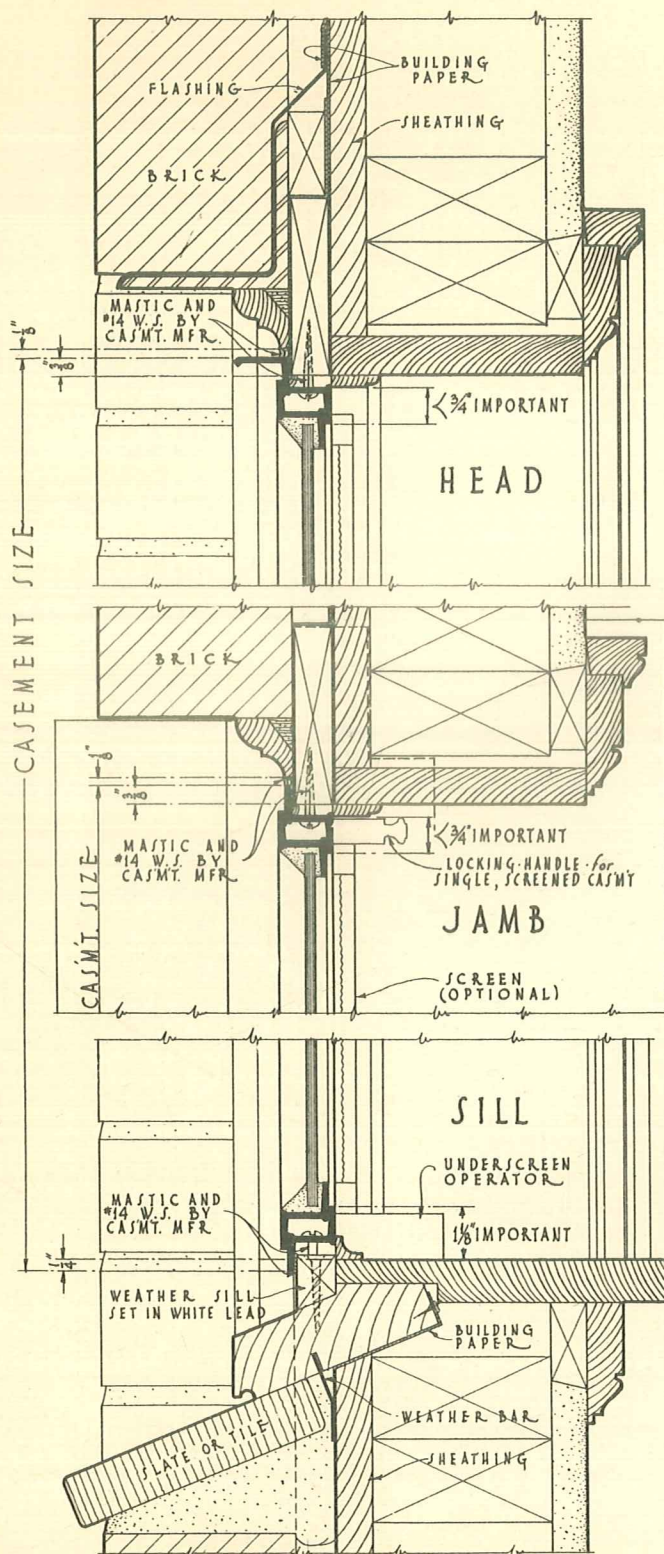
• SCALE • 3" = 1'-0"

MICHAEL FLYNN  
MANUFACTURING CO  
LUPTON  
WINDOW PRODUCTS

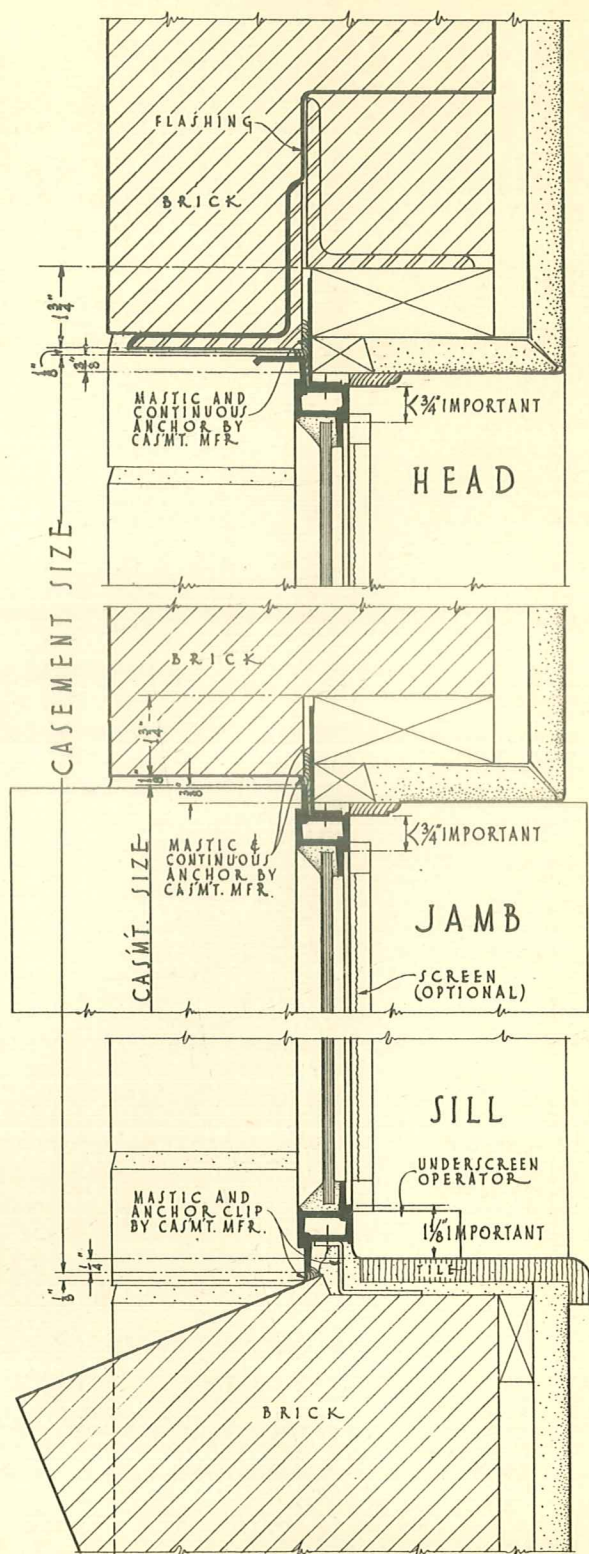
INSTALLATION • DETAILS  
LUPTON • RESIDENCE • CASEMENTS

PLATE • N°  
• 205 •  
AUG • 1935





BRICK-VENEER



SOLID-BRICK-WITH  
CONTINUOUS-ANCHORS

SCALE · 3"=1'-0"

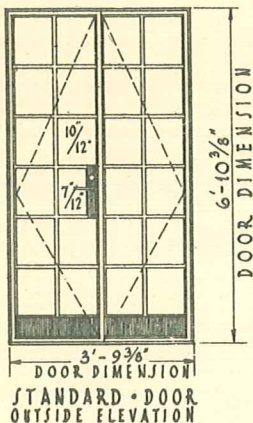
MICHAEL-FLYNN  
MANUFACTURING-CO  
LUPTON  
WINDOW-PRODUCTS

# INSTALLATION-DETAILS

LUPTON · RESIDENCE · CASEMENTS

PLATE · No  
· 206 ·  
AUG · 1935





### STANDARD DOORS

Size & Design Doors are standard in one size and design—sketched at left. GLAZING—Doors are designed for outside putty glazing. There are 23 lights taking 10' x 12" glass, & one light taking 7' x 12" glass.

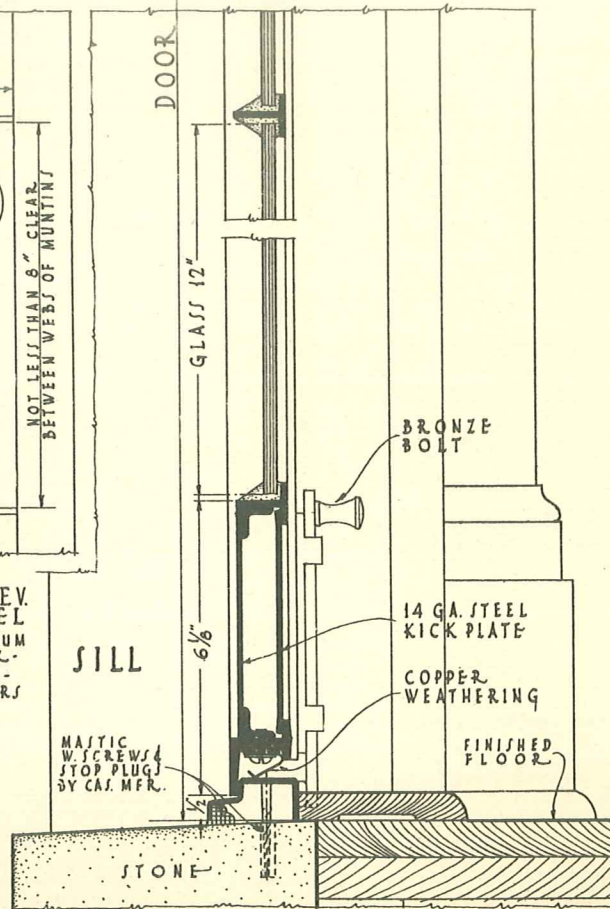
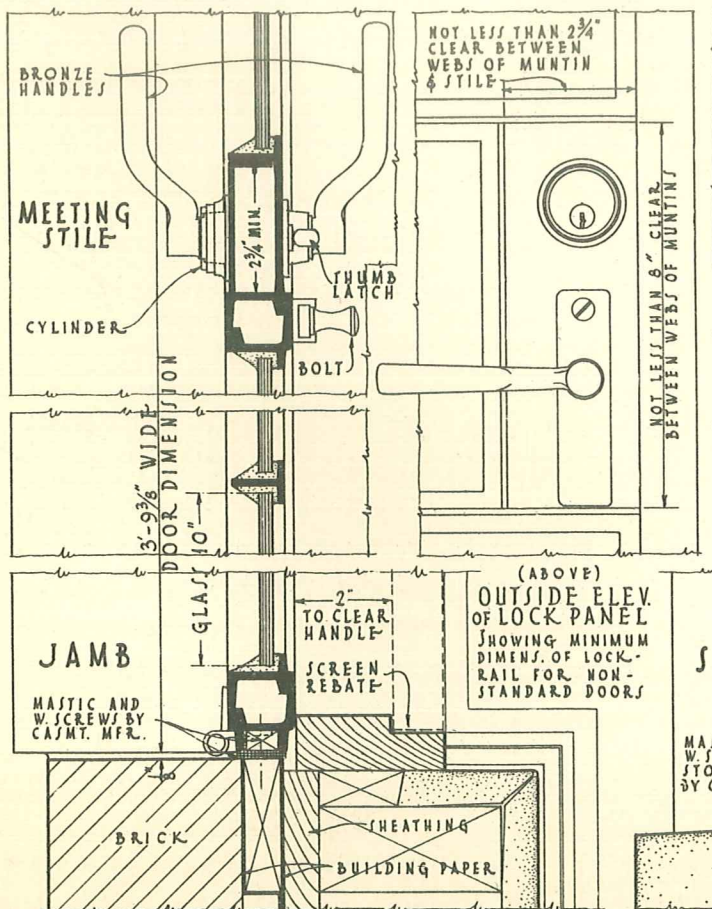
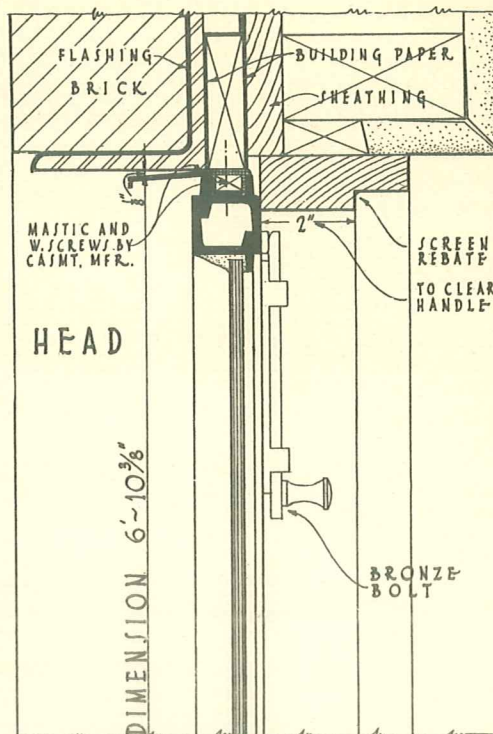
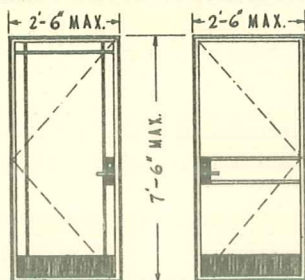
STANDARD EQUIPMENT—Includes:—Bronze butt hinges; mortise lock with bronze handles, cylinder on outside and thumb-latch on inside for active leaf; bronze top & bottom surface bolts for inactive leaf.

SPECIAL EQUIPMENT—Available on order:—Lock with cylinder either on both sides; lock with push-buttons; dummy lock panel on inactive leaf.

### ALTERNATE DESIGNS AND SPECIAL SIZES—

In designing doors the lock panel should always be framed by muntins in a way that will not require notching and resulting weakening of glass. Sketches at right suggest two methods.

Doors can be made to any size not to exceed 2'-6" x 7'-6" for single doors or 5'-0" x 7'-6" for double doors.



MICHAEL • FLYNN  
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LUPTON  
WINDOW • PRODUCTS

## • DOOR • DETAILS •

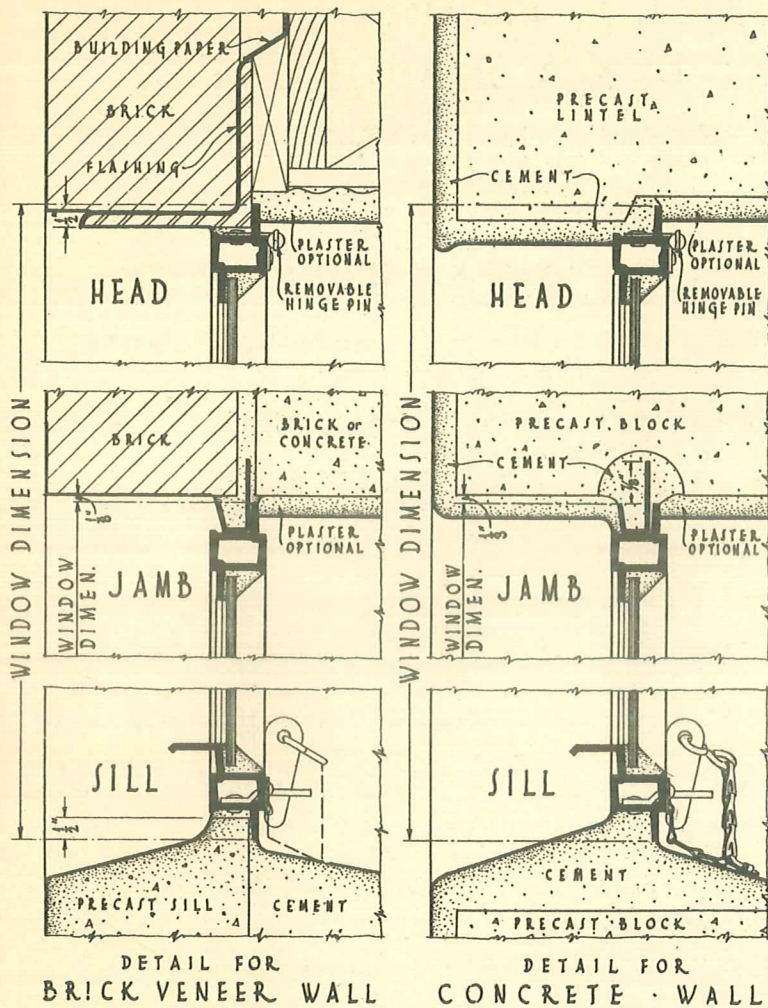
LUPTON • STANDARD • CASEMENT • DOORS

PLATE • No  
• 305 •  
AUG • 1935



## BASEMENT WINDOW DETAILS

SCALE 3" = 1'-0"



DETAIL FOR  
BRICK VENEER WALL

DETAIL FOR  
CONCRETE WALL

## BASEMENT WINDOWS

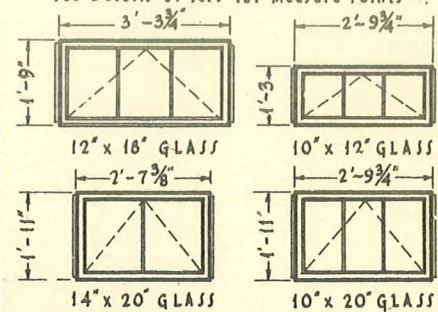
These windows give maximum light and ventilation and are carried in stock by Lupton Dealers. Made of the same steel sections as Lupton Residence Casements with welded corners and a bottom rail specially shaped to exclude moisture. Split hinge pins permit removal of ventilators from inside.

Provision is made for attaching screens.

Windows are painted gray and have steel locking pegs.

### BASEMENT WINDOW SIZES

Dimensions given are "WINDOW DIMENSIONS" see Details at left for Measure Points.

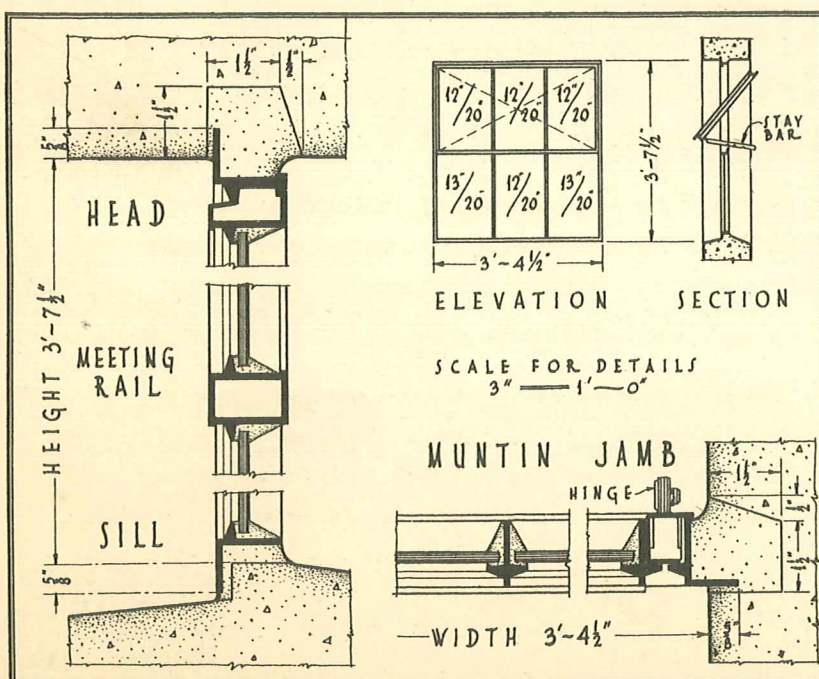


## UTILITY WINDOW

This window is designed to afford maximum light in small buildings, private garages and basements that are high above grade. The ventilator at the top of the window, swinging out at bottom and in at top, supplies fresh air without interfering with space requirements. Windows are glazed on the inside.

Ventilators are equipped with a standard angle-iron stay bar and holder for hand operation and are painted gray.

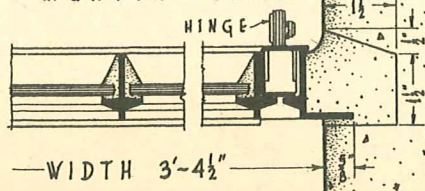
Angle shaped frame section permits easy installation in all types of wall construction. Illustration at left shows details of window set in a concrete wall.



ELEVATION SECTION

SCALE FOR DETAILS  
3" = 1'-0"

### MUNTIN JAMB





# LUPTON STEEL WINDOW PRODUCTS TO MEET EVERY REQUIREMENT

ARCHITECTURALLY AND STRUCTURALLY CORRECT

## *Residential*

LUPTON RESIDENCE CASEMENTS. Low cost standard weight casement windows in sizes to meet every requirement; with or without all-metal screens.

LUPTON MASTER CASEMENTS. A new and improved line of medium weight steel casement windows for residential buildings with or without all-metal screens.

CASEMENT DOORS. Single or double casement doors or French windows equipped with fine hardware.

BASEMENT UTILITY AND GARAGE WINDOWS. Solid section steel windows for every service requirement.

## *Institutional*

LUPTON SCHOOL WINDOWS. Four types especially developed for classroom and other school requirements. Special details on request.

HOSPITAL WINDOWS AND DOORS. A complete line of specially developed hospital windows for every part of the structure. Special information on request.

## *Commercial*

OFFICE WINDOWS. Lupton efficiency windows combine maximum light with fully controlled natural ventilation; offered in several types.

BANK AND MONUMENTAL BUILDING WINDOWS. Extra heavy section steel windows for fine buildings.

SPECIAL PROJECTED AND PIVOTED WINDOWS. A full line of horizontally and vertically projected and pivoted windows to meet every requirement.

UNDERWRITERS' LABEL WINDOWS. Labeled windows for all purposes, meeting Underwriters' requirements.

## *Industrial*

PIVOTED WINDOWS. Side wall windows for industrial plants with pivoted ventilators.

LUPTON CONTINUOUS WINDOWS. For continuous side walls, saw-tooth roofs and monitors.

LUPTON OPERATING DEVICES. Torsion, tension, and rack and pinion types for pivoted and continuous windows.

COMMERCIAL STEEL DOORS. Low cost service doors for all industrial requirements.

ROLLED STEEL SKYLIGHTS. Especially adapted to conditions of unusual severity, such as vibration, wide range of temperatures, and inaccessibility for frequent painting.

AIRPLANE HANGAR DOORS. Improved type meeting government standards.



